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Claim 4. (Twice Amended) [A] <u>The plant as claimed in claim 3, wherein the electric machine includes a core comprising</u> [the flux paths in the core of the magnetic circuit consist of] laminated sheet <u>of at least one of [and/or] cast iron [and/or]</u>, powder-based iron, and[/or] rough forge iron.

Claim 5. (Twice Amended) [A] <u>The plant as claimed in claim 1 wherein the winding comprises a cable and the solid insulation covering comprises inner and outer [is built up of a cable intended for high voltage comprising one or more current-carrying conductors surrounded by at least two] semiconducting layers and <u>an intermediate insulating layer[s] of solid insulation surrounding the conductors.</u></u>

Claim 6. (Twice Amended) [A] The plant as claimed in claim 5, wherein the inner[most] semiconducting layer is at substant/ally the same potential as the <u>conductors</u> [conductor(s)].

Claim 7. (Twice Amended) [A] the plant as claimed in claim 5, wherein [one of] the outer semiconducting layer[s is arranged to form essentially] forms an equipotential surface surrounding the conductors [conductor(s)].

Claim 8, line 1, delete /A" and insert -- The--.

Claim 9, line 1, delete "A" and insert -- The--.

Claim 10, line 1, delete "A" and insert -- The --.

Claim 13, line 1, delete "A" and insert -- The--.



Claim 14. (Twice Amended) [A] <u>The</u> plant as claimed in claim 1 [wherein its] <u>including a</u> stator [is] cooled at earth potential by means of a <u>fluid</u> [flow of gas/or liquid].

Claim 15. (Twice Amended) [A] <u>The</u> plant as claimed in wherein the outer[most] semi-[conductor] <u>conducting</u> layer is connected to earth potential.

(Allen)	Claim 16. (Amended) [A] The plant as claimed in claim 1, wherein the electric machine includes a rotor [is] inductively connected to the high voltage.
	Claim 17, line 1, delete "A" and insertThe
by a	Claim 18. (Twice Amended) [A] <u>The</u> plant as claimed in claim 17, wherein the <u>electric</u> machine includes a stator having a stator winding [is carried out with] <u>formed as at least one of an</u> integral slot winding, and a fractional slot winding.
þ	Claim 20. (Twice Amended) [A] <u>The</u> plant as claimed in claim 18, wherein the stator has <u>a</u> <u>pole pitch and the winding is</u> [coils in the stator winding are] distributed and [have] <u>includes</u> <u>a coil having</u> a coil span different from the pole pitch.
& Sue	Claim 22. (Twice Amended) [A] <u>The</u> plant as claimed in claim 5 [the cables with solid insulation have] <u>wherein the cable has</u> a conductor area of about between 40 and 3000 mm <sup>2</sup> and [have] an outer cable diameter of about between 20 and 250 mm.
	Claim 23, line 1, delete "A" and insertThe
	Claim 24. (Twice Amended) [A] <u>The</u> plant as claimed in claim 1, wherein the electric machine [generator] is designed for high voltage and arranged to supply the out-going electric network directly without any intermediate connection of a transformer.

Claim 25. (Twice Amended) [A] <u>The plant as claimed in claim 1, comprising [several] a plurality of electric machines</u> [generators], each of which lacks an individual step-up transformer, but which, via a system transformer common to the <u>electric machines</u>

Claim 26. (Twice Amended) [A] <u>The</u> plant as claimed in claim 24, wherein at least one <u>electric machine</u> [generator] is earthed via an impedance.

[generators], is connected to the transmission or distribution network.

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Claim 27. (Twice Amended) [A] <u>The</u> plant as claimed in claim 24, wherein [at least one generator] <u>electric machine</u> is directly earthed.

Claim 28. (Twice Amended) [A] <u>The</u> plant as claimed in claim 24, wherein [it is designed to be driven] <u>said plant is operative</u> as at least one of a pump and turbine station, the electric machine being arranged to function as at least one of a motor driven directly from the [electric power] <u>transmission or distribution</u> network and as a generator, generating voltage for the [electric power] <u>transmission or distribution</u> network.

Claim 29. (Twice Amended) [A] <u>The</u> plant as claimed claim 24, wherein the <u>electric machine</u> [generator] is arranged to generate power to various voltage levels.

Claim 30. (Twice Amended) [A] <u>The plant as claimed in claim 29, wherein at least one electric machine includes a separate auxiliary winding for producing auxiliary power at one of said voltage levels [is arranged to generate auxiliary power and that the auxiliary power is arranged to be generated from a separate winding in the generator].</u>

Claim 31. (Twice Amended) [A] <u>The</u> plant as claimed in claim 1, [wherein all the components are earthed to the same] <u>including a common</u> earth system.

Claim 32. (Twice Amended) [A] <u>The</u> plant as claimed in claim 1, wherein the winding of the <u>electric machine</u> [generator is arranged] <u>is operable</u> for self-regulating field control and lacks auxiliary means for control of the field.

Claim 33. (Twice Amended) A procedure for constructing a plant as claimed in claim 1, wherein the electric machine includes a stator [of the generator is delivered in parts to the plant site, said parts] comprising at least one of separate stator limitations and[/or] combined stacks of stator laminations, [after which] said parts [are] being assembled on site, and [in that both] threading of the winding and any splicing [required are performed] on site.

Claim 34. (Twice Amended) An electric generator for high voltage included in a hydrogenerator plant in which the generator is coupled to a turbine via shaft means, said generator

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comprising at least one winding including a conductor, [the generator is provided with] a solid insulation covering including an insulating layer and at least one semiconducting layer surrounding said conductor and [in that] wherein each winding is [arranged to be directly connected via coupling elements] directly connectable to a high voltage transmission or distribution network [having a voltage of between about 20 and 800 kV].

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Claim 37. (Amended) A hydrogenerator plant including a rotating high voltage electric machine comprising a stator; a rotor and a winding, wherein said winding comprises a cable including [at least one] a current-carrying conductor and a magnetically permeable, electric field confining cover surrounding the conductor, said cable forming at least one uninterrupted turn in the corresponding winding of said machine, and wherein the conductor includes a plurality of insulated conductive strands and at least one uninsulated electrically conductive strand in contact with the cover.



Claim 41. (Amended) The hydrogenerator plant of claim 37, wherein the cover is formed of a plurality of <u>integrally bonded</u> layers [including an insulating layer], and wherein said plurality of layers are substantially void free.